| Index of | Claims |
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| Appl | ication | n/Control | No. |
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AHMED ELALLAM

Applicant(s)/Patent under Reexamination

10/080,156

HIRSCH ET AL. Art Unit

Examiner

2616

Rejected Allowed

(Through numeral) Cancelled

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**Appeal** 

Restricted

Interference

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|----------|----------|----------|---|---------------|--|--|--|--|--|-----------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----|-------|------------|----------|----------|----------|----------|-----------------|-----------------|--------------|
| Cla      | aim      | Date     |   |               |  |  |  | С  | Claim Date                                       |           |          |          |           |          |          |          | ſ        | Cla      | im       | Date     |           |     |       |            |          |          |          |          |                 |                 |              |
| Final    | Original | 3/3/08   |   |               |  |  |  |  |  |           | Final    | Original |           |          |          |          |          |          |          |          |           |     | Final | Original   |          |          |          |          |                 |                 |              |
| <b> </b> | 1        | V        |   |               | H  | -  | 1  | $\vdash$   |  | Н         |          | 51       |           | $\neg$   |          | _        | $\neg$   | 一        |          | $\top$   | ┪         |     |       | 101        |          |          |          | 寸        |                 | $\neg$          | _            |
| -        | 2        | V        |   | $\vdash$      | ┢  | r  | t  |  | _  | H         | <u> </u> | 52       |           |          |          | $\neg$   | $\neg$   |          | $\neg$   |          | ┪         |     |       | 102        |          |          |          | 寸        |                 | $\top$          | 十            |
|          | 3        | V        |   | H             | ┢  | ╁╾   | $\vdash$   | T  | $\vdash$   | Н         |          | 53       | 1         |          |          |          | 一        |          |          |          | ┪         | - 1 |       | 103        |          |          |          | 寸        | $\neg \dagger$  |                 | ヿ            |
|          | 4        | V        |   | $\vdash$      | $\vdash$   | ┢  |  |  |  | П         |          | 54       |           |          |          |          | ヿ        | _        | $\neg$   | $\neg$   | ╗         | 1   |       | 104        |          |          |          | T        |                 |                 |              |
|          | 5        | V        |   |               |  |  | Г  | Т  |  |           |          | 55       |           |          | $\neg$   |          |          |          |          | T        | $\neg$    |     |       | 105        |          |          |          |          |                 |                 | $\Box$       |
|          | 6        | V        |   |               |  | Г  | 1  |  |  |           |          | 56       | 1 1       | Ì        |          |          |          | $\neg$   |          |          | ٦         |     |       | 106        |          |          |          |          |                 |                 |              |
|          | 7        | V        |   |               |  |  |  |  |  |           |          | 57       |           |          |          |          |          |          |          |          |           |     |       | 107        |          |          |          |          |                 |                 |              |
|          | 8        | V        |   |               |  |  |  |  |  |           |          | 58       |           |          |          |          |          |          |          |          |           |     |       | 108        |          |          |          |          |                 |                 |              |
|          | 9        | ٧        |   |               | Г  |  |  |  |  |           |          | 59       |           |          |          |          |          |          |          |          |           | Į   |       | 109        |          |          |          |          |                 |                 |              |
|          | 10       | ٧        |   |               |  |  |  |  |  |           |          | 60       |           |          |          |          |          |          |          |          | ╝         | ĺ   |       | 110        |          |          |          |          |                 | $\perp$         | _            |
|          | 11       | ٧        |   |               |  |  |  |  |  |           |          | 61       | Ш         |          |          |          | ]        | ]        |          |          | $\Box$    |     |       | 111        |          |          |          |          |                 | ightharpoonup   | $\downarrow$ |
|          | 12       | ٧        |   |               |  |  |  |  |  |           |          | 62       | Ш         |          | [        |          |          |          |          | $\perp$  | Ц         | ļ   |       | 112        |          | Ш        |          |          |                 | $\perp$         | 4            |
|          | 13       | ٧        |   |               |  |  | L  | <u> </u>   |  |           |          | 63       | Ш         |          |          |          |          |          |          | _        | Ц         |     |       | 113        |          |          |          | _        |                 |                 | 4            |
|          | 14       | <b>V</b> |   |               | _  | _  | _  | L.   |  | Ш         |          | 64       | $\sqcup$  | $\perp$  | _        |          |          |          | _        | $\perp$  | $\Box$    | ļ   |       | 114        |          | L        | _        | _        |                 | $\dashv$        | 4            |
|          | 15       | ٧        |   | L             | _  | _  | lacksquare                                       | _  | _  | Ш         | <u> </u> | 65       | 1         | ļ        | _        |          |          |          |          |          | _         |     |       | 115        | Щ        | $\Box$   | _        | _        |                 | $\dashv$        | 4            |
|          | 16       | ٧        |   |               | L  | <u> </u>   | <u> </u>   | _  | _  | Ш         |          | 66       |           | _        | _        |          | _        | _        | _        |          | _         |     |       | 116        |          |          |          | _        | _               |                 | 4            |
|          | 17       | <        |   |               | 匚  | L_   | <u> </u>   | L  |  | Щ         |          | 67       |           |          |          |          | _        | _        | _        |          | _         |     |       | 117        |          |          | _        | _        |                 |                 | 4            |
|          | 18       | ٧        |   |               | L  | <u> </u>   | _  | _  |  | Щ         | <u> </u> | 68       |           | _        |          | _        | _        | $\dashv$ | _        |          | _         |     |       | 118        |          |          |          | _        | _               | -               | $\perp$      |
|          | 19       | <b>V</b> |   |               | _  | L.   | L  |  |  | Ш         |          | 69       | 1_1       |          | _        |          | _        |          | _        |          | _         |     |       | 119        |          | $\Box$   | _        | _        |                 | _               | +            |
|          | 20       | ٧        |   |               | <u> </u>   | ļ  | ļ  |  | _  | Ш         |          | 70       | 1         |          | _        |          | _        | _        | _        | -        | _         |     |       | 120        |          | _        | _        | _        |                 |                 | 4            |
|          | 21       | Ш        |   | L.            | <u> </u>   | <u> </u>   | <u> </u>   |  |  | Ш         |          | 71       | 1         |          | _        |          | _        | _        | _        | $\perp$  | _         |     |       | 121        |          |          | _        | _        |                 | $\rightarrow$   | 4            |
|          | 22       | Ш        |   |               |  | _  | _  | <u> </u>   | _  | _         | <u> </u> | 72       | $\vdash$  |          | _        |          | _        | _        | _        | -        | _         |     |       | 122        |          | -        | $\dashv$ | $\dashv$ | -               |                 | +            |
|          | 23       |          |   |               |  | L.   | ▙  |  | L  | _         |          | 73       | 1         | _        |          |          | _        | _        |          |          | _         | - 1 |       | 123        |          |          |          | -        |                 |                 | +            |
|          | 24       | Ш        |   |               |  | <u> </u>   | ļ  | <u> </u>   | _  |           | <u> </u> | 74       | -         |          | -        |          | _        | _        |          | -        | 4         |     |       | 124        |          |          |          | $\dashv$ | -               |                 | +            |
| <u></u>  | 25       |          |   |               |  |  | ┡  |  | <u> </u>   |           | <u> </u> | 75       | <b>├</b>  | _        |          |          |          |          | $\dashv$ | _        | _         | -   |       | 125        |          |          |          |          | -               | +               | +            |
|          | 26       | Ш        |   |               |  | <u> </u>   | ▙  | <u> </u>   | _  |           | -        | 76       | 1         | _        |          | _        | $\dashv$ | $\dashv$ | -        | -        | -         | }   |       | 126        |          | $\vdash$ |          | $\dashv$ | -               | $\dashv$        | -            |
| <u> </u> | 27       | Щ        |   |               |  | _  | ┝  | <b>└</b>   | <u> </u>   | _         |          | 77       | $\vdash$  | -        |          |          | $\dashv$ |          | $\dashv$ | $\dashv$ | 4         | - } |       | 127        |          |          | -        |          | $\dashv$        | +               | +            |
| -        | 28       | Н        |   | _             |  | ├-   | <del> </del>                                     | -  | <u> </u>   | $\dashv$  | -        | 78       | $\vdash$  |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | -        | $\dashv$  | - } |       | 128<br>129 | _        |          |          | $\dashv$ |                 |                 | +            |
|          | 29<br>30 |          |   |               | -  | ⊢  | ⊢  | ⊢  | H  | Н         |          | 79<br>80 | +         | $\dashv$ | -        |          |          |          | -        | $\dashv$ | _         | ł   |       | 130        |          | $\vdash$ |          |          | -               | +               | +            |
| <u> </u> | 31       | Н        |   |               |  | _  | ├  | ⊢  | -  | -         |          |          | 1 1       | _        |          |          |          | $\dashv$ | $\dashv$ | +        | _         | ŀ   |       | 131        |          | $\vdash$ |          | $\dashv$ |                 | +               | +            |
| -        | 32       | Н        |   | <u> </u>      | <del>                                     </del> |  | $\vdash$   | $\vdash$   | H  | $\dashv$  | -        | 81<br>82 | $\vdash$  | +        | $\dashv$ | -        |          |          | $\dashv$ | +        | $\dashv$  | ŀ   |       | 132        | -        | $\vdash$ |          |          | -               | +               | +            |
| $\vdash$ | 33       | H        |   | <u> </u>      |  | ⊢  | $\vdash$   | $\vdash$   | -  | $\dashv$  |          | 83       | $\vdash$  | -        | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$  | 1   | -+    | 133        | $\vdash$ | $\vdash$ |          | $\dashv$ | $\dashv$        | +               | +            |
| $\vdash$ | 34       | Н        |   | ├-            | -  | -  | ├-   |  | -  | $\vdash$  | $\vdash$ | 84       | + - +     | -        | $\dashv$ |          | $\dashv$ | $\dashv$ |          |          | -         | .   | -     | 134        |          | $\vdash$ | $\dashv$ | $\dashv$ |                 | +               | +            |
|          | 35       | H        |   | $\vdash$      | <u> </u>   | -  | <del> </del>                                     | $\vdash$   | $\vdash$   | $\dashv$  | -        | 85       | $\vdash$  | $\dashv$ |          |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | ł   |       | 135        | $\vdash$ |          |          | $\dashv$ | -1              |                 | +            |
| -        | 36       | H        |   | <u> </u>      | <u> </u>   | -  | +  |  | <del> </del>                                     | $\vdash$  |          | 86       | ╁┯┤       | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | 一        | ᅱ         | ŀ   |       | 136        |          | $\vdash$ | -        | $\dashv$ |                 | $\dashv$        | +            |
| $\vdash$ | 37       | H        |   | $\vdash$      | $\vdash$   | -  |  | $\vdash$   | $\vdash$   | $\vdash$  | $\vdash$ | 87       | ╁┼        | -        |          | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$  | ł   |       | 137        | $\vdash$ | $\vdash$ |          | $\dashv$ | - 1             | +               | +            |
| <u> </u> | 38       | $\vdash$ |   |               |  | -  | <del> </del>                                     |  | -  | H         | -        | 88       | $\vdash$  | $\dashv$ | $\dashv$ | $\dashv$ |          |          | $\dashv$ | -+       | $\dashv$  |     |       | 138        | $\vdash$ | $\vdash$ |          | $\dashv$ |                 | +               | +            |
| -        | 39       | $\vdash$ |   |               |  |  | $\vdash$   | $\vdash$   |  | $\dashv$  | -        | 89       | $\vdash$  | +        | $\dashv$ |          |          | $\dashv$ | $\dashv$ | +        | $\dashv$  | - } |       | 139        |          | $\vdash$ | $\dashv$ |          |                 | -               | +            |
|          | 40       | Н        |   |               |  | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$   | $\dashv$  | -        | 90       | $\vdash$  | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | ŀ   |       | 140        |          | $\vdash$ | $\dashv$ |          | $\dashv$        | $\dashv$        | +            |
|          | 41       | $\vdash$ | - | H             | <u> </u>   |  | t  | <del>                                     </del> | -  | $\vdash$  | -        | 91       | $\forall$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | -        |          | $\dashv$  |     |       | 141        |          | $\vdash$ |          |          | _               | $\dashv$        | 十            |
|          | 42       | Н        |   | $\vdash$      | Ė  | _  | $\vdash$   | t  | $\vdash$   | Н         | -        | 92       | $\vdash$  | _        | +        |          |          | $\neg$   |          | $\top$   | $\dashv$  | ŀ   |       | 142        |          |          |          |          |                 | $\neg$          | 十            |
|          | 43       | Н        |   | H             | H  | <del> </del>                                     | $\vdash$   |  |  | $\dashv$  |          | 93       | $\dagger$ | $\dashv$ | _        |          | $\dashv$ | _        | $\dashv$ | o        |           | 1   |       | 143        |          |          |          |          | $\neg \uparrow$ | $\neg$          | $\top$       |
|          | 44       | Н        |   | H             |  | $\vdash$   | t  | T  |  | $\forall$ |          | 94       | $\Box$    | $\neg$   | $\dashv$ |          | $\dashv$ | _        | $\dashv$ | $\top$   | $\dashv$  | ]   |       | 144        |          | $\vdash$ |          |          | $\neg$          | _               | $\top$       |
|          | 45       | Н        |   | $\vdash$      | $\vdash$   | <del>                                     </del> | <del>                                     </del> | $\vdash$   | $\vdash$   | $\vdash$  |          | 95       | Н         |          | 寸        | _        | $\dashv$ | _        | $\neg$   | $\top$   | $\exists$ | 1   | T i   | 145        |          |          |          |          | $\dashv$        | $\dashv$        | $\top$       |
|          | 46       | Н        |   | _             | _  |  | <del>                                     </del> | T  | <del>                                     </del> | $\vdash$  |          | 96       |           |          | 7        | 一        | _        |          |          | $\top$   | $\exists$ |     |       | 146        |          |          |          |          |                 | $\neg \uparrow$ | 十            |
|          | 47       | П        |   |               |  | T  | 1  |  | П  | П         |          | 97       |           |          | Ī        |          |          |          | $\neg$   | o        | $\exists$ |     |       | 147        |          |          |          | -        |                 | $\Box$          | T            |
|          | 48       |          |   | $\overline{}$ | Г  | T  | T  | <del>                                     </del> | <b> </b>   | $\Box$    |          | 98       | $\Box$    | $\neg$   | $\neg$   |          |          |          |          | $\neg$   | $\exists$ | Ì   |       | 148        |          | $\Box$   |          |          | $\neg$          | $\Box$          |              |
|          | 49       | "        |   |               |  |  |  |  |  |           |          | 99       | П         |          | 寸        | $\dashv$ | $\neg$   | $\neg$   | $\neg$   |          | $\neg$    |     |       | 149        |          |          | •        |          | 1               |                 | $\Box$       |
|          | 50       |          |   |               |  |  |  |  |  |           |          | 100      |           |          |          |          | $\neg$   |          |          |          | _1        | Ì   |       | 150        |          |          |          |          |                 |                 | $\Box$       |
|          |          |          |   |               |  |  |  |  |  |           |          |          |           |          |          |          |          |          |          |          |           |     |       |            |          |          |          |          |                 |                 |              |